International application No.

PCT/NZ2005/000046

A.	CLASSIFICATION OF SUBJECT MATTER			
Int. Cl. 7:	F04B 43/06, 43/067, 45/053			
According to	International Patent Classification (IPC) or to both	national classification and IPC		
B.	FIELDS SEARCHED			
	mentation searched (classification system followed by conder "Electronic databases searched"	lassification symbols)		
	searched other than minimum documentation to the ext 4B 43/06, 43/067	ent that such documents are included in the fields search.	hed	
	base consulted during the international search (name of : F04B 43/06, 43/067, 45/053 with keywords			
C.	DOCUMENTS CONSIDERED TO BE RELEVANT	·		
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.	
7.7	US 5669764 A (BEHRINGER et al.) 23 Sep	otember 1997	1 12 16 19	
X Y	The whole document The whole document	·	1-13, 16-18 14, 15	
X .	US 4755111 A (COCCHI et al.) 5 July 1988 The whole document		1-13, 16-18	
х	US 2821930 A (SMITH) 4 February 1958 The whole document		1-13, 16-18	
Y	US 3955901 A (HAMILTON) 11 May 1976 Column 6, lines 55-61	·	. 14	
X Fu	urther documents are listed in the continuation	of Box C X See patent family anne	ex	
"A" documen	dered to be of particular relevance co	ter document published after the international filing date or pronflict with the application but cited to understand the principle derlying the invention		
	plication or patent but published on or after the "X" do onal filing date or	cument of particular relevance; the claimed invention cannot cannot be considered to involve an inventive step when the		
or which	t which may throw doubts on priority claim(s) "Y" do is cited to establish the publication date of in	one cument of particular relevance; the claimed invention cannot volve an inventive step when the document is combined with ch documents, such combination being obvious to a person sk	one or more other	
	t referring to an oral disclosure, use, exhibition	current member of the same patent family	aned in the art	
	t published prior to the international filing date than the priority date claimed			
	al completion of the international search	Date of mailing of the international search report		
1 June 2005	ng address of the ISA/AU	- 8 JUN 2005		
	PATENT OFFICE	Authorized officer		
PO BOX 200, V	VODEN ACT 2606, AUSTRALIA	ASANKA PERERA		
Facsimile No. (pct@ipaustralia.gov.au 02) 6285 3929	Telephone No : (02) 6283 2373		

International application No. PCT/NZ2005/000046

C (Continuation	on). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3093086 A (ALTOZ et al.) 11 June 1963 Figures 2, 3 and accompanying description	15
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Information on patent family members

International application No. PCT/NZ2005/000046

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Pate	ent Farmily Member		
US 5669764	AU	32924/95	CA	2159434	EP	0705978
	EP	0822401	${ m IL}$	115327	JP	8210256
	ЛР	10132732	NO	953980	US	5691486
	US	5788927	US	5902096	US	5908599
	US	5934885				
US 4755111	AU	73826/87	DK	293687	EP	0250026
	JР	62291483	NO	872370	•	
US 2821930						
US 3955901	AU	74452/74	BE	821375	CA	1004914
	DE	2448490	DK	55 1874	ĖS	431237
•	FR	2248425	GB	1433758	JР	50073205
	LU	71163	NL	74 1 3 2 7 5	SE	7413346
	ZA	7405951				
US 3093086						

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

PATENT COOPERATION TREATY PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 388-14PCT	FOR FURTHER ACTION as v	see Form PCT/ISA/220 well as, where applicable, item 5 below.
International application No. PCT/NZ2005/000046	International filing date (day/month/year) 18 March 2005	(Earliest) Priority Date (day/month/year) 18 March 2004
Applicant PRECISION DISPENSING	SYSTEMS LIMITED et al	
This international search report has been Article 18. A copy is being transmitted to	prepared by this International Searching Authority of the International Bureau.	and is transmitted to the applicant according to
This international search report consists of	f a total of 4 sheets. copy of each prior art document cited in this report	
1. Basis of the report		
With regard to the language, the it was filed, unless otherwise indicates.	international search was carried out on the basis of cated under this item.	the international application in the language in which
Authority (Rule 23		·
b. With regard to any nucleoti	de and/or amino acid sequence disclosed in the in	iternational application, see Box No. I.
2. Certain claims were found	unsearchable (See Box No. II).	
3. Unity of invention is lacking	ng (See Box No. III).	
4. With regard to the title,		A second
the text is approved as subm	nitted by the applicant. I by this Authority to read as follows:	• (
X the text has been established	by this Authority to read as follows.	·
A MEMBRANE PUMP		
5. With regard to the abstract,		
X the text is approved as subm	nitted by the applicant.	
the text has been established one month from the date of	I, according to Rule 38.2(b), by this Authority as it mailing of this international search report, submit c	appears in Box No. IV. The applicant may, within comments to this Authority.
6. With regard to the drawings,		
 the figure of the drawings to be p 	ublished with the abstract is Figure No. 1	
X as suggested by the	e applicant.	7
as selected by this	Authority, because the applicant failed to suggest a	ı figure.
as selected by this	Authority, because this figure better characterizes t	the invention.
b. none of the figures is to be p	published with the abstract.	

International application No.

PCT/NZ2005/000046

			PC1/NZ2005/000046		
A	CLASSIFICATION OF SUBJECT MATTER				
Int. Cl. 7:	F04B 43/06, 43/067, 45/053				
According to I	International Patent Classification (IPC) or to bot	h national classification and IPC			
B.	FIELDS SEARCHED				
See below ur	mentation searched (classification system followed by nder "Electronic databases searched"				
AU : IPC F0	searched other than minimum documentation to the ex 4B 43/06, 43/067	·			
Electronic data DWPI : IPC	base consulted during the international search (name of F04B 43/06, 43/067, 45/053 with keywords	f data base and, where practicable, sea s +stable and similar terms	arch terms used)		
C.	DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
	US 5669764 A (BEHRINGER et al.) 23 Se	ptember 1997			
X	The whole document		1-13, 16-18		
Y	The whole document		14, 15		
	US 4755111 A (COCCHI et al.) 5 July 198				
Χ .	The whole document		1-13, 16-18		
	US 2821930 A (SMITH) 4 February 1958	•			
x	The whole document	•	1-13, 16-18		
			45		
Y	US 3955901 A (HAMILTON) 11 May 197 Column 6, lines 55-61	6	14		
1	Column 6, fines 33-61	•			
		•			
X F	urther documents are listed in the continuation	on of Box C X See pa	tent family annex		
"A" documen	idered to be of particular relevance	later document published after the internal conflict with the application but cited to u underlying the invention	tional filing date or priority date and not in nderstand the principle or theory		
•	oplication or patent but published on or after the "X" onal filing date	document of particular relevance; the clair or cannot be considered to involve an invo	ned invention cannot be considered novel entive step when the document is taken		
	nt which may throw doubts on priority claim(s) "Y"	alone document of particular relevance; the clair involve an inventive step when the docum	med invention cannot be considered to ent is combined with one or more other		
another o	citation or other special reason (as specified)	such documents, such combination being	obvious to a person skilled in the art		
or other i	- "x;"	document member of the same patent fam	ily		
	nt published prior to the international filing date than the priority date claimed				
	al completion of the international search	Date of mailing of the internation			
1 June 2005		- 8 JUN 200	5		
Name and maili	ing address of the ISA/AU	Authorized officer	•		
	PATENT OFFICE WODEN ACT 2606, AUSTRALIA				
E-mail address:	pct@ipaustralia.gov.au	ASANKA PERERA			
Facsimile No. (Facsimile No. (02) 6285 3929 Telephone No : (02) 6283 2373				

International application No. PCT/NZ2005/000046

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Y	US 3093086 A (ALTOZ et al.) 11 June 1963 Figures 2, 3 and accompanying description	15			
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Information on patent family members

International application No.

PCT/NZ2005/000046

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	t Document Cited in Search Report			Pate	nt Family Member		
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		US	5788927	US	5902096	US	5908599
		US	5934885				
US	4755111	AU	73826/87	DK	293687	EP	0250026
		JP	62291483	NO	872370		
US	2821930						
US	3955901	AU	74452/74	BE	821375	CA	1004914
		DE	2448490	DK	551874	ES	431237
		FR	2248425	GB	1433758	JP	50073205
		LU	71163	NL	7413275	SE	7413346
		ZA	7405951				
US	3093086						

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